Info-Hams Digest   Tue, 3 May 94   Volume 94 : Issue 482

Today's Topics:
                          3Y0PI QSLs
                   Another use for Morse Code
                     ATV equip etc. needed
                      FD Logging Software.
                     FT-530 Mod Made Easy?
                     Heil 4 or 5 element??
                  Help with Homemade Capacitors
                Help With Kenwood TM-441A Mod ???
                     HT Belt Harness (WHERE?)
               Linked repeaters from L.A. to Oregon??
               Returned mail: Unable to deliver mail
                    RFI proofing my computer?
                 Vertical Antenna Recommendations?
                      What are these worth?
                       Where is EO50JS ?
Yaesu FT-41R PL problem--read before buying (FT530 note at end)(LONG)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

: Has anyone reveived a QSL from the 3Y0PI dxpedition? Just curious. (I

: haven't.)

I haven't even sent for one yet.... does anyone hv the Mgr?

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/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
\        Bill Splaine              E-MAIL  > bsplaine@sr.hp.com       /
/        Hewlett Packard           VOICE   > (707) 577-2913           \
\      Santa Rosa, CA 95403        FAX     > (707) 577-2095           /
/ ALL STANDARD DISCLAIMERS APPLY    PACKET  > N6GHG@KC6PJW            \
\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/
```

Date: 2 May 1994 15:22:12 -0700
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!psgrain!
news.tek.com!cascade.ens.tek.com!not-for-mail@network.ucsd.edu
Subject: Another use for Morse Code
To: info-hams@ucsd.edu

>
>"Another student who is unable to control either his hands or his head
>uses a sip-and-puff device to communicate with the computer in Morse code,
>blowing air out through a plastic straw for a dot and sipping air in for
>a dash. The device translates the Morse code into characters the computer
>can understand.
>
>
A friend of mine from the Army Security Agency had a brother who got in
a car wreak and paralyzed him. Had his neck whiplashed and left him in
a fetal position unable to talk, move, etc. Thanks to my friend knowing
morse code it was found his paralyzed bother could use a code reader to
communicate with his family, friends and others. Was something to see
but still gave me chills. He would use a type of "key" in his mouth and
send morse code with it. Seems his mind was clear, just his body was
gone.

Thank you mister Morse.

Terry, KI7M

Date: Mon, 2 May 94 13:39:00 -0500
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!utnut!torn!uunet.ca!uunet.ca!datatca!
chuck.zeps@network.ucsd.edu
Subject: ATV equip etc. needed
To: info-hams@ucsd.edu

I need sources for good used ATV stuff as well as channel specific
light-duty UHF antemnna and preamps for ch.14-69. Email please.

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:::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
:::: c.zeps@genie.geis.com ::: VE3SMN ::: Canadian Assn. Rocketry s155 :
::::: sysop - Obelisk BBS 519.6790021 Regional Hub for Grove Net :::::::::
:::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
---
 ≥ TNet 3.90 ˆ USENET| The Obelisk BBS | London, Ont.| 519.6790021
```

Date: 2 May 94 21:48:05 GMT
From: agate!howland.reston.ans.net!gatech!swrinde!elroy.jpl.nasa.gov!ncar!asuvax!
pitstop.mcd.mot.com!mcdphx!schbbs!mothost!lmpsbbs!NewsWatcher!
user@ucbvax.berkeley.edu
Subject: FD Logging Software.
To: info-hams@ucsd.edu

In article <29APR199413412917@elroy.uh.edu>, st3qi@elroy.uh.edu (Brad
Killebrew N5LJV) wrote:

> I am looking for field day logging software that runs on an XT machine.
> I have KB0ZP Logger, but doesn't want to seam to work. Any suggestions?
> BTW, it runs fine on my PC-AT machine.
>
> -Brad Killebrew N5LJV
> -st3qi@jetson.uh.edu
> -President, Univ of Houston ARC

This writer is a satisfied user (and registered owner) of CT. Our club uses
at least three different versions of it for Field Day and most other
contests. The version I have (8.14) provides three different CT.exe files
depending on whether you have an 8086, 80286, or 80386 machine. That way
you don't have to be stuck with a slow software package after you upgrade
to a fast new PC.

I just wish that the phone modem download/upgrade service was still
available - after all, I specifically paid for that feature when I bought
the program.

--
Karl Beckman, P.E.   < STUPIDITY is an elemental force for which >
Motorola Comm - Fixed Data   < no earthquake is a match. -- Karl Kraus >

The statements and opinions expressed here are not those of Motorola Inc.
Motorola paid a marketing firm a huge sum of money to get their opinions;

they have made it clear that they do not wish to share those of employees.

Amateur radio WA8NVW @ K8MR.NEOH.USA.NA   NavyMARS VBH @ NOGBN.NOASI

Date: Mon, 2 May 94 19:22:17 -0500
From: yale.edu!noc.near.net!news.delphi.com!usenet@yale.arpa
Subject: FT-530 Mod Made Easy?
To: info-hams@ucsd.edu

Robert G. Schaffrath <RGS@gfimda.UUCP> writes:

>>I recently purchased a Yaesu FT-530. When I bought the radio the
>>dealer gave me a MOD sheet for the expanded receive. When I started
>>to make the mod I found that the circuit board layout was not the
>>same as the drawing on the mod sheet and that there is a loop of
>>wire on what I think is pad 13. If this is pad 13 it looks like
>>simply cutting the wire will accomplish the mod. I did not try
>>this since I am not sure that this is the right pad. Has anyone
>>else seen this layout? Can the mod be done by cutting the wire?

>Just out of curiosity, what is the serial number of your unit? The third
>and fourth characters indicate the manufacturing lot number. My radio
>came from lot #16 and had to have a small solder bridge removed. It
>is possible that Yaesu may have put a small wire in place due to the
>difficulty in working in such a tight area. If your radio is from
>a lot greater than 20 (the last one I am familiar with) I would guess
>that is what the wire is. My unit has no such wire anywhere in it.

The serial number of my FT-530 is 3M230998. So it looks like it is from
lot 23.

     Murl

Murl McRae   WA9CWT
Bloomington, IN

murl@delphi.com

Date: 3 May 94 02:00:21 GMT
From: agate!howland.reston.ans.net!gatech!udel!news.udel.edu!brahms.udel.edu!not-
for-mail@ucbvax.berkeley.edu

Subject: Heil 4 or 5 element??
To: info-hams@ucsd.edu

Do you prefer the Heil 4 or 5 element?

My primary interest in using a mike at all is HF contesting. I would assume
that the 4 would be the ticket, but I have heard the 5 recommended too.

Rig in use at moment is TS940.

Thanks for your help.

Bob

--
Bob Penneys, WN3K   Frankford Radio Club Internet: penneys@pecan.cns.udel.edu
Work: Ham Radio Outlet (Delaware) (800) 644-4476; fax (302) 322-8808
Mail at home: 12 East Mill Station Drive   Newark, DE 19711 USA

Date: Mon, 2 May 1994 20:12:58 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!news-feed-1.peachnet.edu!darwin.sura.net!
mlb.semi.harris.com!cica.mlb.semi.harris.com!rmp@network.ucsd.edu
Subject: Help with Homemade Capacitors
To: info-hams@ucsd.edu

I am trying to fix an old
Quack Medical Device that has a glass
and foil stacked capacitor inside it.
I have seen similar capacitors inside
Leeds & Northrup equipment. Does
anyone know how big (uFs), these
capacitors tend to be and what the
breakdown voltages might be? I hesitate
to rebuild it.

Russ Pate
WB4VVN
rmp@mlb.semi.harris.com

Date: 2 May 94 21:42:46 GMT

From: dog.ee.lbl.gov!ihnp4.ucsd.edu!swrinde!emory!kd4nc!n4tii@ucbvax.berkeley.edu
Subject: Help With Kenwood TM-441A Mod ???
To: info-hams@ucsd.edu

deane@lanman.gsfc.nasa.gov (Deane R. Charlson) writes:

>I just did the artsci inc. mod for extended receive on the Kenwood TM-441A
>440 MHz fm transceiver and it didn't work. Has anyone done this? Can
>anyone offer me some advice with respect to this mod? Any help or
>assistance would be greatly appreciated. Thanks! 73's

I tried doing a similar mod for the TM-431A and it didn't work
either.... some guy from finland sent me the proper matrix for that
radio...I haven't performed it yet...looking at the schematic, it seems
that I might be enableing euro repeater offsets instead of the the US 5
mhz offset...

Anyway, check your schematic and find the 431A (non-usa) one and that will
have the diode matrix you need...(I think)(...

73 de John

>Deane R. Charlson   deane@lanman.gsfc.nasa.gov
>Microwave Technology Branch, Code 737 dcharlson@ccmail.gsfc.nasa.gov
>NASA Goddard Space Flight Center   Phone: (301) 286-5952
>Greenbelt, MD 20771   Fax: (301) 286-1750
--

John Reed - Gainesville, GA
N4TII -- AFA2FH -- Redstar 204
 HAM   MARS   C. A. P.

Date: Tue, 3 May 1994 00:48:37 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!
cslye@network.ucsd.edu
Subject: HT Belt Harness (WHERE?)
To: info-hams@ucsd.edu

I am looking for a case or something I can replace the radio clip on a
htx-202 with that is like the GE radio clips. You know the one that has a
round thing that you slip inside the belt case... Some I belive you have to
turn upside down to get off. I dont know hat these are called, so it it hard
to explain.. But I am sure someone knows what I am talking about. Well I am
wanting to buy one of these. Dont need the belt side, I have that.. Just
some way to attch it to this radio.

THANKS!!
--
                                 cslye@netcom.com

Date: 3 May 94 01:50:39 GMT
From: dog.ee.lbl.gov!ihnp4.ucsd.edu!news.cerf.net!ccnet.com!ccnet.com!not-for-
mail@ucbvax.berkeley.edu
Subject: Linked repeaters from L.A. to Oregon??
To: info-hams@ucsd.edu

Daniel D. Todd (ddtodd@ucdavis.edu) wrote:
: In article <parkerCp1H0q.8GL@netcom.com> parker@netcom.com (Andrew Parker)
writes:
: >From: parker@netcom.com (Andrew Parker)
: >Subject: Linked repeaters from L.A. to Oregon??
: >Date: Fri, 29 Apr 1994 21:00:26 GMT

: >A friend of mine is moving to southern Oregon soon, and I am wondering if
: >anyone knows of a linked repeater system (on any band) that would link from
: >roughly Los Angeles to Ashland, Oregon. The only system that I know of is
: >CONDOR, but I don't think it connects all the way up to Oregon. Thanks for
: >your help.

: Seems like the perfect time to learn code.

The links are on 40 meters during the day and 75 meters at night. Once or
twice a year the boys on 440 will patch three or four private link
systems together for the fun of it. It gets old fast so they turn it off.

Bob

--
    Bob Wilkins   work   bwilkins@cave.org
 Berkeley, California   home   rwilkins@ccnet.com
    94701-0710   play   n6fri@n6eeg.#nocal.ca.usa.noam

Date: 3 May 94 05:52:37 GMT
From: news-mail-gateway@ucsd.edu
Subject: Returned mail: Unable to deliver mail
To: info-hams@ucsd.edu

   ----- Transcript of session follows -----
554 xfAA01802: line 2: readqf(AA01802:2): bad line "Info-Hams Digest

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   ----- No message was collected -----

Date: 3 May 94 03:01:41 GMT
From: dog.ee.lbl.gov!ihnp4.ucsd.edu!sdd.hp.com!col.hp.com!
bryanl@ucbvax.berkeley.edu
Subject: RFI proofing my computer?
To: info-hams@ucsd.edu

Along the lines of proximity and the guy who bought a tower case, give
some thought to getting a side-mount stand. You can use this to
mount the CPU on the floor with the floppy towards the top. It
is not inconvient when mounted like this.

Before doing this you obviously should do as suggested and try to
isolate where the problem is coming from. The case that it is
radiating through the chassis can sometimes be cured by the side-
mount floor stand.

73
NE0V

Date: 2 May 94 21:11:38 GMT
From: agate!howland.reston.ans.net!cs.utexas.edu!swrinde!ihnp4.ucsd.edu!
library.ucla.edu!psgrain!news.tek.com!cascade.ens.tek.com!not-for-
mail@ucbvax.berkeley.edu
Subject: Vertical Antenna Recommendations?
To: info-hams@ucsd.edu

I personally would recommend the Butternut. I have an HF6V with 12/17 and
160 meters added and am a believer in it. I DON'T believe the claims about
the R7 and others not needing radials and being equivalent to the Butternut.
Right now I am reading a book called Vertical Antenna Handbook by Capt.
Paul H. Lee, USN(RET), N6PL published by CQ magazine. I recommend it to
really get an idea as to how verticals really work. At least, I recommend
it as of chapter 5.

One thing I have noted, any vertical you listed and I have seen advertized
is extremely short and inefficient on 80/160 meters because the feedpoint
resistance is like 1-10 ohms and the reactance is 300-1000 ohms. Hard to
get the antenna current up and to radiate. Check out the book.

Good luck

Terry, KI7M

Date: 2 May 1994 14:56:51 -0700
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!psgrain!news.tek.com!
cascade.ens.tek.com!not-for-mail@network.ucsd.edu
Subject: What are these worth?
To: info-hams@ucsd.edu

The astron supply is worth about 75-95 dollars. The TS700 is between
200-275 depending on condition.

Terry

Date: Mon, 2 May 1994 21:17:31 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!
slay@network.ucsd.edu
Subject: Where is EO50JS ?
To: info-hams@ucsd.edu

: Does anyone know where EO50JS is?

According to QST Magazine (May '94, page 98), EO prefix is now
allocated to the Ukraine (UB5).

73 de Sandy
WA6BXH/7J1ABV
slay@netcom.com

Date: 2 May 94 18:48:07 GMT
From: dog.ee.lbl.gov!agate!kabuki.EECS.Berkeley.EDU!kennish@ucbvax.berkeley.edu
Subject: Yaesu FT-41R PL problem--read before buying (FT530 note at end)(LONG)
To: info-hams@ucsd.edu

This note is being provided as a service to the amateur
community. It is not intended to endorse or dis-endorse
this product, but rather to educate the community to a
problem, for which a solution exists.

****

The Yaesu FT-41R (and perhaps it's sister 11R) has a problem
with the PL (CTCSS for you Motorola lawyers) tone frequencies.

If you do NOT buy the optional FTS-26 CTCSS DEcode (tone
squelch) board, the PL tone is generated by the microprocessor
itself, rather than a dedicated PL tone chip (MX265). As a
result, the PL tone generated can be slightly off, to a
degree to make certain reed-type decoders used on some repeaters
go nuts. This makes repeater use difficult, if not impossible. If you do
go out and buy the optional FTS-26 board, the tones are
generated by the board, and this should not be a problem.

It turns out that the PL tone is too high in pitch, and this difference
is audible at the 250.3 PL. Yaesu's fix, according to
Yaesu Tech Bulletin 9420 is to increase the size of the
capacitor on the microprocessor crystal to pull the frequency
down, thereby lowering the PL. The mod specifically calls for
C2018 to be changed from 33 pF to 39 pF.

I have not done this yet, as I am awaiting the part from Yaesu.
This mod is built into the factory beginning with lot #12.
Units prior to this will need to be mod'ed or you may just
be lucky. To determine your lot number, look at your serial
number. the lot number is the two digits immediately following
the letter. (i.e. a S/N of 3M078626 would indicate a lot #07)

If you are contemplating buying a unit at a retailer, check the
serial number -- if it is prior to lot #12, test the unit on
a few repeaters and see if your voice drops in and out.
Newer repaters with electronic decode tend not to be as sensitive
to PL frequency mismatch as are old mechanical reed style decoders.

****

Also, to FT-530 owners:

There is an existing INTERMOD fix for the 530. Now, before you
all go and jump to put your units in the mail, let me tell you
what this mod does.

The mod entails changing the first IF frequency of both receivers.
The VHF frequency moves from 15.25 to 17.25 MHz, and the UHF
frequency moves from 47.225 to 44.775 MHz.

What this buys you:

  If your INTERMOD problem results from two strong signals that
are mixing in the front end to produce a signal at the frequency
you are trying to receive, this mod will do NOTHING for you.
(e.g. you are listening to 446.00 MHz, and two signals at 452.00
and 458.00 MHz mix to produce a tone at 446.00 MHz, then you are

out of luck).

   However, if the problem results from two strong signal
that are mixing to produce the IF frequency, then this may help.

   Alternatively, if the problem is really IMAGE response
(you are picking up a station that is 2xIF away from your desired
station), then this MOD will help.

Think carefully and investigate thoroughly what your problem really
is before you send the unit in. The mod does nothing to affect
receive range, nor does it do anything to change RF desense,
overload or other nastiness, just changes the image response
frequency...

A hint in diagnosing your problem... The first IF frequency is
not dependent on the frequency tuned, but rather which receiver is
used. The left receiver uses the VHF IF, while the right receiver uses
the UHF IF. Tuning a UHF frequency in the VHF side uses the VHF IF,
and vice versa.

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Sorry this post got so long, but info is info.

-Ken

End of Info-Hams Digest V94 #482
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